



EXO™ Vandal Resistant High Definition Camera Systems For Harsh Environments

The EXO Vandal Resistant High Definition (HD) Network Camera System is the professional's choice for capturing brilliant, 1080P full HD video in urban areas, prisons, and other high risk applications. Built with hardened components to withstand extreme temperature ranges, power surges and heavy impacts.

Available Features

- HD 1080P models
- 20x & 30x optical zoom models
- 30x zoom models have image stabilization
- ONVIF, PSIA (Milestone, ONSSI), and GENETEC API, supported
- Meets NEMA 4 and NEMA TS2 standards (most models)
- Micro-SD / SDHC / SDXC / support
- H.264 High Profile, MJPEG compression
- Video motion detection
- Audio synchronization
- Temperature range: -58°F to 140°F (-50°C to 60°C), up to 165°F (74°C), Per NEMA TS2
- Proprietary surge protection (Ethernet, power and alarm / data wires)
- Multiple mounting options
- IK10 Vandal Resistant

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USA
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EXO
SERIES



EXO™ Vandal Resistant

MADE IN USA
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EXO Vandal Resistant

The outdoor pan-tilt-zoom high definition (HD) IP video camera has been integrated with a ruggedized aluminum outdoor dome housing with an integral pan-tilt-zoom mechanism. The EXO Vandal Resistant camera system is ideal for applications needing extra protection from vandalistic attacks, it's been built to withstand violent impacts. Constructed of cast aluminum with an OptiClear polycarbonate dome this unit is ideal in urban areas, prisons and other areas where there is a high probability of attacks on surveillance equipment.

Models:

EXVW7C2-2

20x optical zoom,
wall mount
with sunshield

EXVP7C2-2

20x optical zoom,
Pendant mount
with sunshield

EXVW7C2-3

30x optical zoom,
wall mount
with sunshield

EXVP7C2-3

30x optical zoom,
Pendant mount
with sunshield

Accessories:

WM20GG

Gooseneck wall mount, Moog grey

ACA2G

Corner mount adapter, Moog grey

PRM50G

Large parapet mount, White

APM6G

Pole mount adapter, Moog grey

Camera		
	20x	30x
Image Sensor:	1/2.8-type Exmor CMOS	
Lens / Digital Zoom:	20x Optical Zoom, f=4.7mm (wide) to 94.0mm (tele); 12x (240x with optical zoom)	30x Optical Zoom, f=4.6mm (wide) to 138.0mm (tele); 12x (360x with optical zoom)
Minimum Illumination:	Color: 1.2Lux (F1.6 50IRE); B&W: 0.3Lux (F1.6 50IRE)	
Shutter Speed:	Automatic or user selectable	
Selectable Shutter Speeds:	1/1 to 1/10,000s, 22 steps	
Pan/Tilt/Zoom:	Pan: 360° continuous rotation; Tilt: 0° to 95° above horizon; Speed: 0.5°-80°/sec manual operation, 120°/sec preset	
Horizontal Viewing Angle:	55.4° (wide) to 2.9° (tele end)	59.5° (wide) to 2.1° (tele end)
Image Stabilization:	No	Yes
Maximum Lens Aperture:	Minimum of f/1.6 (wide) to f/3.5 (tele)	Minimum of f/1.6 (wide) to f/4.7 (tele)

Video	
Video Compression:	H.264 High, Main and Baseline profiles Motion JPEG
Resolutions:	H.264: 1920x1080, 1280x720, 640x360, H.264 or Motion JPEG: 640x360, 4CIF, VGA, 2CIF, CIF
Frame Rate:	Up to HD 1080p @ 30 fps/720p @ 60fps
Video Streaming:	User selectable (1) H.264 and (1) H.264 or MJPEG
Image Settings:	Wide dynamic range (WDR), manual shutter time, compression, color, brightness, sharpness, white balance, exposure control, exposure zones, backlight compensation, fine tuning of behavior at low light, rotation, text and image overlay, privacy masks, image freeze on PTZ
Data Rate:	Variable Bit Rate, Motion adaptive variable bit rate and Constant Bit Rate modes. 64 kbps – 6 Mbps per channel (requires less than 1 Mbps @ 4CIF/30fps)

Electrical	
Alarm Inputs / Output:	2 / 1; Two (2) digital input pins
Power Input / Input Voltage:	24Vac, 80W
Surge Protection:	Proprietary two (2) stage surge protection (3 year warranty)
Audio Streaming:	Two-way: Uncompressed PCM High-fidelity AAC-LC G.711
Audio Input / Output:	Single analog audio input; Single analog audio output (External Microphone and Speaker required)
Connectors:	RJ45 for 10BASE-T/100BASE-TX, Phoenix style connectors for AC/DC power, 4 configurable alarm inputs / outputs, mic in, line mono input, line mono output to active speaker

System Integration	
Application Programming Interface:	GENETEC API, PSIA (Milestone, ONSSI), ONVIF
Event Triggers:	Video motion detection, temperature, memory card full
Event Actions:	Video recording to edge storage

Protocols	
Networking:	IPv4/v6, UDP, TCP, IGMP, ICMP, ARP, DHCP, DNS
Streaming:	RTP, HTTP
Management:	RTSP, HTTP, HTTPS, Bonjour, NTP, Telnet, SNMP
Security:	Password protection, HTTPS encryption, digest authentication, user access log
System Administration:	Web GUI interface (HTTP or HTTPS)
Access Control:	SSL, Basic and Digest Authentication
Audio / Video Buffering:	Recorded ASF files to micro-SD medium
Long Term System Configuration Memory:	System configuration stored on internal flash
Software Update:	Fault-tolerant, remote accessible
Alarm Events:	Triggered by external input or internal event monitoring
Network:	Standard 10/100 Base-T Ethernet port
Edge Recording:	One (1) micro-SD / SDHC / SDXC interface (2-32GB Sold Separately, class 6 or above micro SD card)

Environmental	
Humidity:	0-100% N.C per MIL-E-5400T, paragraphs 3.2.24.4
Impact Rating:	IK-10
Ingress Protection Rating:	IP66
Maximum Windload:	150mph (240kph)
Operating Temperature:	-58°F to 140°F (-50°C to 60°C), up to 165°F (74°C), Per NEMA TS2
Vibration:	Conforms to NEMA TS2, para 2.1.9

General	
Housing Style:	Aluminum and Stainless steel hardware
Dome:	OptiClear Polycarbonate
Mounting Style:	Wall and pendant mount models
Mounting Pattern:	Pendant: 1.5" npt; Wall: (4) 2"x5.5" bolt pattern, .38" dia.
Net Weight:	13 lb (5.9 Kg)
Dimensions (h*w*d):	14.7" x 8.2" x 14.7" (375 x 210 x 375mm)
Warranty:	3 years, including surge protection

Regulatory and Certifications



ONVIF



CE



REACH



NEMA Rating



RoHS



UL Listed



WEEE

MOOG

Sensor and Surveillance Systems